

ABSTRACT OF THE DISCLOSURE:

In a PNNI routing computation system, each ATM exchange stores a plural types of weight values for computing route for each link and stores a type which a subscriber uses for routing. When PNNI routing is determined in response to call request of a subscriber, the exchange firstly selects possible routes from a call sending node to a call receiving node. Then the exchange determines which type of weight value the subscriber uses for routing by searching a storage in the exchange. Then, the exchange determines one route which total value of the weight values of links along the route is the minimum among the selected routes.